The South Carolina State Board For Technical And Comprehensive Education

Annual Report

FISCAL YEAR 1981-82

111 Executive Center Drive
Columbia, South Carolina

TEC Works So South Carolina Can

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G. WILLIAM DUDLEY, JR.
Executive Director

FRANCIS L. BELL
Chairman

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August, 1982

To His Excellency, Governor Richard W. Riley, Jr., Chairman of the State Budget and Control Board and Members of the South Carolina General Assembly.

Tight budgets, increased competition from other states for new industry, high technology training and equipment shortages have faced the Technical Education System this past year.

TEC has worked within budget contraints to continue to provide training for high technology industries and keep faculty and staff current in state-of-the-art techniques. Our 16 technical colleges are working together with the "Design for the Eighties" plan to keep the colleges and faculty and staff current in robotics, advanced machine tool technology, microelectronics, office of the future, computers and water quality.

Through our allocated budget of $78,888,226, TEC supported special schools for new and expanding industry, continued cooperation with the State Development Board to recruit industry, supported administration of the 16 technical colleges and initiated or expanded job training programs. The State TEC office now has all business operations under one roof with the move in May to 111 Executive Center Drive, Columbia.

TEC will continue to train South Carolinians for known job opportunities and work with industries locating in the state or expanding here. TEC works so South Carolina can.

Very truly yours,

FRANCIS L. BELL
Chairman

1981-82
THE STATE BOARD FOR TECHNICAL AND COMPREHENSIVE EDUCATION

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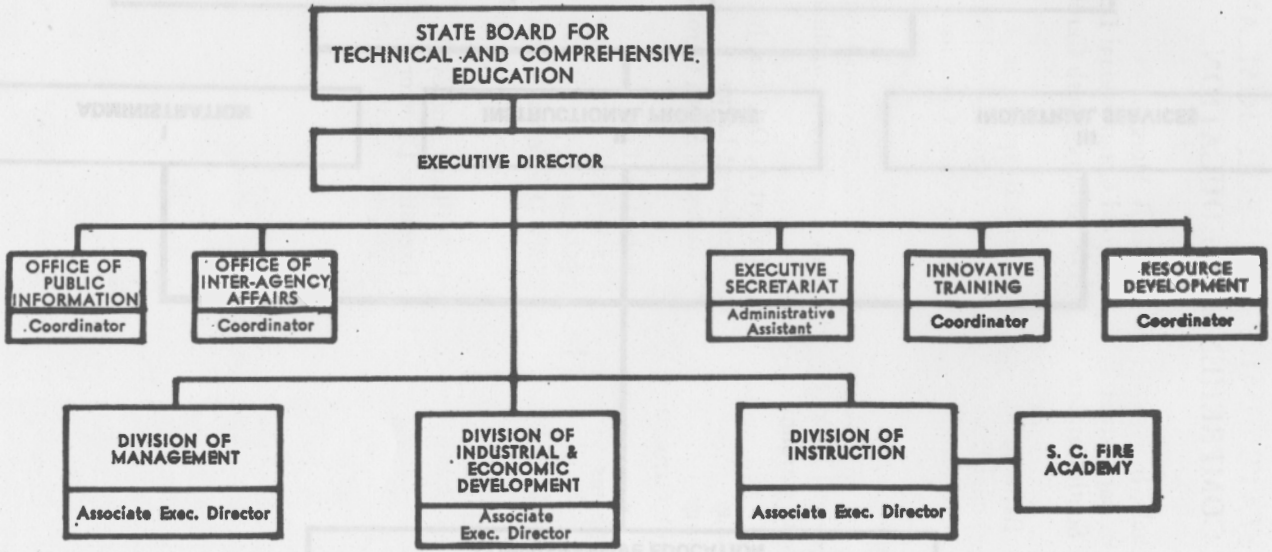
STATE BOARD FOR TECHNICAL AND COMPREHENSIVE EDUCATION
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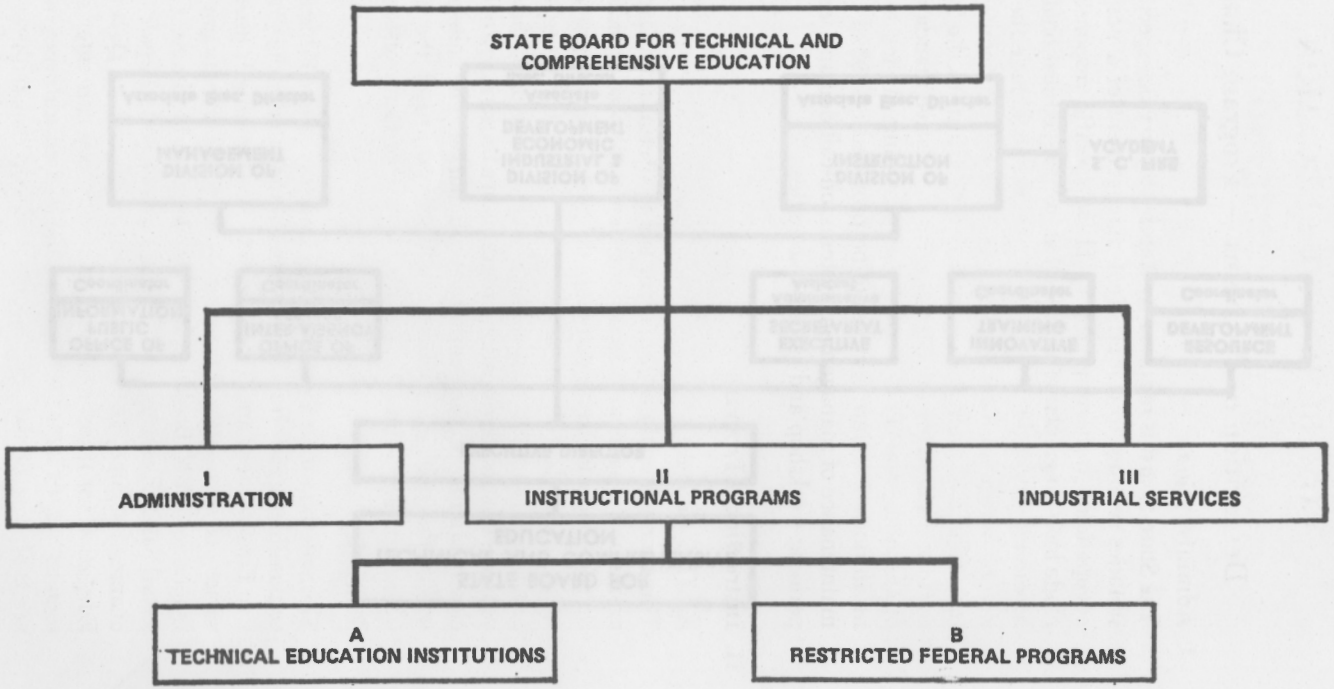
STATE BOARD FOR TECHNICAL AND COMPREHENSIVE EDUCATION



STATE BOARD FOR TECHNICAL AND COMPREHENSIVE EDUCATION

Description of Programs — Program Chart

I. Administration

The State Board is required by statute to carry out specific responsibilities relating to the efficient management of a postsecondary occupational training program. These specific responsibilities include long range planning as well as insuring educational and fiscal accountability. Additional support functions include the coordination of Personnel Administration, Grants Development, Public Information and Inter-agency Affairs. The efforts of the State Board staff are focused towards carrying out legislative mandates, policies of the State and TEC Board, and providing service to the TEC institutions. Program services to be provided consist of day-to-day maintenance of management systems, on-call demand services, and periodic workshop and seminar activities.

II. Instructional Program

A. *TEC Colleges*

This function contains the organized institutional educational programs of the agency. It includes sixteen (16) postsecondary educational colleges located throughout the State. The colleges represent a cooperative effort of state and local government working together to provide training for local citizens. The colleges offer one-and-two-year, occupational education programs in a broad range of categories closely oriented to the community job market. The colleges operate within the policies, guidelines and procedures of the State TEC Board and are administered locally by Area Commissions.

B. *Restricted Federal Programs*

The State Board for Technical and Comprehensive Education is the responsible agency for all classroom training under the Comprehensive Employment and Training Act. This training is provided in a variety of occupational training — Welding, Production Machine Operation, LPN, Bookkeeping, Maintenance Mechanic, Carpentry, Retail Sales, Electricity, Sheet Metal, Auto Body Repair, Auto Mechanic, Machine Tool Operator, etc., as well as Developmental Education for those who need it before they can enter one of the regular courses. This instructional subprogram addresses the training needs of a particular socio-economic group that requires job-entry skills. This program does not attempt to teach the individual a

complex mix of skills and does not have the same purpose as the State funded curriculum programs. Also under this category are specific federal grants and matching funds which provide adjunct support to the state funded training programs.

III. Industrial Services

This division is responsible for the design, implementation and supervision of training programs for the initial labor force for new and expanding industry. Further, the Industrial Services Division provides industrial relations support to established industry through identification of training needs of the industries and communicating these needs to the Technical Colleges.

PERTINENT FACTS ABOUT TECHNICAL EDUCATION

History: TEC was begun in 1961 to stimulate economic growth in South Carolina through the provision of occupational training for the people. Demands from employers and students led to the development of Agriculture, Business, Engineering, General Education, Health Related, Industrial/Occupational and Public Service careers curricula which are offered through the sixteen statewide TEC colleges. Over the years, TEC matured to become a comprehensive system of postsecondary education with 16 two-year, state supported campuses. TEC exists to meet the needs of South Carolina and her people.

Degrees: Associate Degrees, Diplomas and Certificates.

Faculty: Instructors at TEC come from a variety of educational and industrial backgrounds. Many teach on a full-time basis, while others instruct part-time. They are encouraged to continue their education by pursuing various new courses, in-service training and by returning to industry to stay abreast of current trends. A competent faculty and up-to-date curricula are prerequisites of an effective technical education program.

Areas of Study: Agricultural Technologies; Business Technologies; Engineering Technologies; General Education Technologies; Health Related Technologies; Industrial/Occupational Technologies; Continuing Education & Public Service Technologies.

DESIGN FOR THE EIGHTIES UPDATE

"Design for the Eighties" is Technical Education's plan to meet the high technology training demands during this decade and beyond.

Since identification of the six growth areas, resource centers have been

established and set up in six of the technical colleges. The resource centers and their locations are: robotics, Piedmont TEC; advanced machine tool technology, Greenville TEC; microelectronics, Tri-County, TEC; advanced office occupations, Midlands TEC; computer applications, York TEC and water quality institute, Sumter TEC.

Center directors and personnel have traveled to other facilities to get state-of-the-art information and training in their specific areas. Much of the past year was spent securing equipment for the centers.

Several of the centers have held workshops for TEC faculty and staff as well as business and industry in their communities. The resource centers have attracted statewide attention and visits from other states.

The robotics center hosted a workshop for 120 industrialists and educators in late May. The advanced office occupation center is a national test site for Lanier machines. A plan to acquire computer hardware and software for the TEC System has been completed with assistance from the computer resource center. Curriculum in each of the six areas is being developed by center personnel.

To supplement the activities of the resource centers, mobile training units were ordered in late spring. These units will travel to other TEC colleges and train instructors in advanced machine tool technology. The mobile units will allow hands-on training on sophisticated, high technology equipment.

SOUTH CAROLINA FIRE ACADEMY

The South Carolina Fire Academy offers off-campus as well as on-campus training programs to firefighters (paid, volunteer, and industrial) around the state. The Fire Academy operates under the State Board for Technical and Comprehensive Education.

The Academy is composed of five divisions: Firefighter Development, Fire Officer Development, Fire Instructor Development, Fire Investigator/Inspector/Public Fire Education, and Industrial Fire training.

Courses offered on-campus within the Firefighter Development Division include Firefighting Essentials I and II, respiratory protection practices, standard pumper test, pumper operations and standpipe operations. All of these courses (except Essentials I and II) are offered in the field as well as the basic firefighting fundamentals course. During FY 81-82, 157 courses involving 2,337 students were completed for a total of 85,126 student contact hours.

Firefighting in garden apartments and strategy and tactics seminars are only two of the offerings of the Fire Officer Development Division. Bulk Plant Protection I and II and hazardous materials make up the rest of the division's offerings. Five hundred and two (502) students completed

these 20 courses during the past year totaling 5,743 student contact hours.

Three fire instructor certification courses were taught by the Fire Instructor Development Division during the past year. Thirty-two (32) students completed courses for 1,273 student contact hours.

The Fire Investigator/Inspector/Public Fire Education Division coordinated five National Fire Academy programs involving 227 students and 2,576 student contact hours. Five arson recognition courses were held last year also. One hundred fifty-one (151) students completed courses for a total of 912 student contact hours.

Industrial fire training is offered on and off campus and teaches members of fire brigades within private industry. During the last fiscal year, 77 industrial courses were held and 1,384 students trained. This totaled 13,572 student contact hours.

The Fire Academy was involved in coordinating a rural water supply course, a 3M foam school and a nozzle repair school sponsored by Akron Brass Company.

The National Fire Incident Reporting System was initiated by the fire marshal's office along with the Resident State Fire Marshal Certification Course. Both were supported by the Fire Academy.

A day care operator's awareness program was begun in cooperation with the Children's Television Workshop/Sesame Street program involving members of the South Carolina State Fire Commission and the Fire Academy.

Various other short courses and seminars were held across the state and the Academy staff participated in several workshops and seminars relating to OSHA regulations and their implementation.

TECHNICAL EDUCATION CAMPUSES

1. Ashley J. Little, *President*
   Aiken Technical College
   Post Office Drawer 696
   Aiken, South Carolina 29801
   Phone: 593-9231
2. George W. Goldsmith, Jr., *President*
   Beaufort Technical College
   100 South Ribaut Road
   Beaufort South Carolina 29902
   Phone: 524-3380
3. Ronald W. Hampton, *President*
   Chesterfield-Marlboro Technical College
   Post Office Drawer 1007
   Cheraw, South Carolina 29520
   Phone: 537-5286
4. John W. Henry, Jr., *President*
   Denmark Technical College
   Denmark, South Carolina 29042
   Phone: 793-3301
5. Fred C. Fore, *President*
   Florence-Darlington Technical College
   Post Office Drawer 8000
   Florence, South Carolina 29501
   Phone: 662-8151
6. Thomas B. Barton, Jr., *President*
   Greenville Technical College
   Post Office Box 5616, Station B
   Greenville, South Carolina 29606
   Phone: 242-3170
7. D. Kent Sharples, *President*
   Horry-Georgetown Technical College
   Post Office Box 1966, Highway 501
   Conway, South Carolina 29526
   Phone: 347-3186
8. James R. Morris, Jr., *President*
   Midlands Technical College
   P. O. Box 2408
   Columbia, South Carolina 29202
   Airport Campus:
   West Columbia, South Carolina 29169
   Beltline Campus:
   316 Beltline Boulevard
   Columbia, South Carolina 29205
   Harbison Campus:
   Irmo, South Carolina 29063
   Phone: 738-1400
9. M. Rudy Groomes, *President*
   Orangeburg-Calhoun Technical College
   3250 St. Matthews Road, N.E.
   Orangeburg, South Carolina 29115
   Phone: 536-0311
10. Lex D. Walters, *President*
    Piedmont Technical College
    Post Office Drawer 1467
    Greenwood, South Carolina 29646
    Phone: 223-8357
11. Joe D. Gault, *President*
    Spartanburg Technical College
    Post Office Drawer 4386
    Spartanburg, South Carolina 29303
    Phone: 576-5770
12. James L. Hudgins, *President*
    Sumter Area Technical College
    506 North Guignard Drive
    Sumter, South Carolina 29150
    Phone: 773-9371
13. Don C. Garrison, *President*
    Tri-County Technical College
    Post Office Box 587
    Pendleton, South Carolina 29670
    Phone: 646-8361
14. Al H. Rampey, *Interim President*
    Trident Technical College
    P. O. Box 10367
    Charleston, South Carolina 29411
    North Campus:
    7000 Rivers Avenue
    North Charleston, South Carolina 29406
    Palmer Campus:
    125 Bull Street
    Charleston, South Carolina 29401
    Phone: 572-6111
15. John T. Wynn, *President*
    Williamsburg Technical College
    601 Lane Road
    Kingstree, South Carolina 29556
    Phone: 354-7423
16. Baxter M. Hood, *President*
    York Technical College
    U. S. Highway By-Pass 21-A
    Rock Hill, South Carolina 29730
    Phone: 324-3130

THE DIVISION OF INDUSTRIAL AND ECONOMIC DEVELOPMENT

The Industrial Division of the State Board for Technical and Comprehensive Education offers pre-employment training for new and expanding industry, often called "special schools." A well-trained work force for specific industries has been provided by special schools this year for 91 industries, with 4,708 people trained to meet specific job requirements. Special schools offer both short range and highly specialized training for start-up and expansion of industries across the state.

When an industrial firm considers locating in the state or adding to its facilities, an industrial training consultant from the division is assigned to help the management analyze the staffing needs and prepare a master plan for recruiting, selecting and training workers.

To promote the location of new industry in the state and to help keep industries growing, the division works closely with the State Development Board and other state and local agencies.

The Division of Industrial and Economic Development embodies the overall aim of TEC and its efforts to provide more and better jobs for the people of South Carolina.

The following list shows the special schools sponsored by TEC the past fiscal year.

DIVISION OF INDUSTRIAL AND ECONOMIC DEVELOPMENT

Special Schools
July 1981 through June 1982

Company	*City*	*County*	*Number Trained*
Alumax	Goose Creek	Berkeley	48
American Grilon	Sumter	Sumter	15
Anchor Plastics	Yemassee	Hampton	8
Avco Lycoming	Greer	Greenville	35
Beaver Walterboro	Walterboro	Colleton	20
Becton-Dickinson	Sumter	Sumter	39
Bendix Corp.	Columbia	Richland	27
Bendix Corp.	Sumter	Sumter	73
Boise-Cascade	Chester	Chester	99
Braxtons Ltd.	Williamston	Anderson	5
Carmet Company	Spartanburg	Spartanburg	42
Carolina Casuals	Georgetown	Georgetown	10
Celanese Fibers	Rock Hill	York	43
Century Stove	Easley	Pickens	39
Cincinnati Milacron	Fountain Inn	Greenville	49
Conbraco Industries	Pageland	Chesterfield	15
Concorde Fibers	Jamestown	Berkeley	23
Cooper Air Tools	Lexington	Lexington	6
Cooper Energy Services	Spartanburg	Spartanburg	16
David's of Dillon	Dillon	Dillon	51
Dayco Corp.	Walterboro	Colleton	94
Dayco Corp.	Williston	Barnwell	88
Digital Equipment Corp.	Greenville	Greenville	71
R. R. Donnelley & Son	Spartanburg	Spartanburg	53
DuPont	Goose Creek	Berkeley	41
DuPont (SRP)	Aiken	Aiken	94
Durawool of SC	Aiken	Aiken	19
Edgewater Mfg.	York	York	15
Ehrhardt Mfg.	Ehrhardt	Bamberg	8
Embellishments Unlimited	Travelers Rest	Geenville	29
Exxon Chemical Americas	Summerville	Dorchester	5
Fairfield Mfg.	Westminster	Oconee	18
FMC Corp.	Aiken	Aiken	70
General Carbide	Ridgeland	Jasper	7
Geo. J. Meyer Mfg.	Charleston	Charleston	12
Greenwood Mills (Adams Plant)	Ninety Six	Greenwood	144
Greenwood Mills (Plant 5)	Greenwood	Greenwood	55
Grove Mfg.	Conway	Horry	51
Hanes Hosiery	Bennettsville	Marlboro	156
Holmberg Electronics	Inman	Spartanburg	16
Hoover Universal Inc.	Charleston	Charleston	18
Ina Bearing Company	Cheraw	Chesterfield	35

Company	*City*	*County*	*Number Trained*
Jim Walter Metals	Mt. Holly	Berkeley	13
JPM of SC	Winnsboro	Fairfield	49
Keene Corp.	Sumter	Sumter	37
King-Seeley Thermos	Fairfax	Allendale	43
Lakewood Plantation	Nesmith	Williamsburg	28
L'eggs Products	Florence	Florence	111
Lucas CAV	Greenville	Greenville	91
Michelin	Lexington	Lexington	12
Midland Ross	Greenwood	Greenwood	69
Mitchell Mfg.	Belton	Anderson	26
Monsanto	Moore	Spartanburg	192
National Lock Hardware	Mauldin	Greenville	29
National Twist Drill & Tool	Loris	Horry	50
NCR	Liberty	Pickens	139
Nordson Corp.	Anderson	Anderson	15
Norris Industries	Newberry	Newberry	204
Parke-Davis Capsugel	Greenwood	Greenwood	10
Phoenix Glove	Andrews	Williamsburg	31
Piedmont Products	Columbia	Richland	87
Pontiac Foods	Pontiac	Richland	18
Precision Tool & Machine	Beaufort	Beaufort	12
Renk Corp.	Spartanburg	Spartanburg	6
Rieter Machine Works	Aiken	Aiken	32
Rockwell International	York	York	77
Rotron Inc.	Orangeburg	Orangeburg	125
Schmid Products	Anderson	Anderson	96
A. O. Smith Corp.	McBee	Chesterfield	202
Spartan Mills	Jonesville	Union	15
Spartanburg County Industries	Cowpens	Spartanburg	30
Springs Mills (Elliott Plant)	Fort Lawn	Chester	101
Springs Mills (Frances Plant)	Fort Lawn	Chester	105
Springs Mills (Katherine Plant)	Chester	Chester	53
Springs Mills (Lancaster Complex)	Lancaster	Lancaster	102
Springs Mills (Leroy Plant)	Fort Lawn	Chester	30
Springs Mills (Oxford Plant)	Lancaster	Lancaster	73
Springs Mills (White Plant)	Fort Mill	York	66
Starflo Corp.	Orangeburg	Orangeburg	9
Steel Heddle Mfg.	Westminster	Oconee	10
Stouffer Foods	Gaffney	Cherokee	289
T. O. Plastics	Hampton	Hampton	6
Union Carbide (Carbon Fiber)	Greenville	Greenville	35
United Technologies	Columbia	Richland	6
Webb Forging Company	Union	Union	31
Wellman Industries	Johnsonville	Florence	24
Westinghouse Corp.	Greenwood	Greenwood	41
Westinghouse Corp.	Pendleton	Anderson	43
Westinghouse Corp.	Spartanburg	Spartanburg	17
Wilson Sporting Goods	Fountain Inn	Greenville	46
Zeus Industrial Products	Orangeburg	Orangeburg	10

Total Number of Students Trained During This Period	4,708
Total Number of Companies Served During This Period	91

TEC'S COMPREHENSIVE EMPLOYMENT AND TRAINING ACT (CETA) PROGRAM

In the past fiscal year, the CETA Program in South Carolina was continued with a positive impact on the economic and industrial development of the state. With the Office of the Governor as the prime sponsor for the entire state, the State Board for Technical and Comprehensive Education was a subcontractor for all vocational training under the Comprehensive Education and Training Act of 1973 (CETA) and accomplished all classroom training projects, orientation, educational counseling and developmental education. This is the only state in the nation with one prime sponsor and one agency exclusively responsible for all institutional training.

From October 1, 1981, to September 30, 1982, CETA spent $4,800,000 in classroom training to prepare approximately 5,600 students for employment. All of these students were disadvantaged, unemployed or underemployed.

The primary emphasis in CETA is the Private Sector Initiative Program (PSIP). The Department of Manpower Services works through industry to develop Private Sector Initiative Programs in cooperation with local technical colleges. This has been done by conducting needs surveys and setting up local craft advisory councils to recommend course content and competency needs of individuals who are needed by private industry in South Carolina.

The major objective of these programs is to work with local technical colleges to identify potential students who are economically disadvantaged and then to help them acquire an occupational skill that has been identified by the Private Sector Initiative Program Advisory councils so that these people can become gainfully employed.

This past year, most technical colleges in South Carolina have been involved in the PSIP and the program continues to improve.

AIKEN TECHNICAL COLLEGE

Aiken Technical College is constantly updating curriculum programs to meet the educational needs of students as well as training needs of industry. During fiscal year 1981-82 six microcomputers were purchased for instruction in word processing, math and the engineering technologies.

Day and night short courses on microcomputer operations have become extremely popular and have a waiting list of people in the community.

The consignment of a Digital computer by Chivas Products Ltd. to our Foundation, initiated plans for a computer data processing associate

degree program in the near future. This mini-computer is only three years old and is in excellent condition. It will also be used for administrative purposes throughout the college.

Phasing out programs is always a painful but necessary process. Textile management, fashion merchandising and industrial management were phased out due to lack of job opportunities and operating funds.

Student enrollment in the engineering technologies and chem lab assistant programs increased 34 percent. Placement prospects, especially for engineering technicians, appear excellent despite the recession.

Our graduate follow-up of last year's 135 graduates showed that 91 percent obtained jobs or returned to college.

Continuing Education programs showed marked increases in contact hours. Enrollment in occupational advancement courses increased 32 percent. This included contract training at Savannah River Plant for machinists and at Fort Gordon for military occupational skill enhancement training.

Our welding department won the statewide TEC Welding Contest and had two first and two second place individual winners. Also, a new welding qualification procedure for certifying welders was established.

Aiken TEC students received eleven scholarships totaling $4,505. A new Aiken scholarship has been established by faculty and staff in memory of Charles Blackwell, our electro-mechanical technology instructor who died of cancer.

An Industrial Jobs Expo was held on campus in May. The purpose of the Expo was to inform the community about types of jobs in various industries. It was sponsored by local industries, and presentations were given by industrial division advisory board members.

Our Foundation Board was expanded to include four new members, making a total of 13 members.

A President's Administrative Council was established and it now functions as a permanent forum. The council, which meets quarterly, has also had five management training seminars for improving horizontal and vertical communications within the college.

A Marketing Council has been established to set goals and implement an annual marketing plan. It is composed of faculty and staff members and a member of our area commission.

BEAUFORT TECHNICAL COLLEGE

Beaufort Technical College received its first grant under Title III of the Higher Education Act during the 1981-82 year in the amount of $110,000. This one-year grant assisted the college in undertaking an internal and external assessment of the college mission and goals through

1987. The grant helped the college develop a long range planning process, provided support for a faculty and staff development program, and assisted in developing profiles on student retention and attendance patterns of students.

A new grant under Title IV, "Special Services for Disadvantaged Students" was also awarded the college. This program has helped over 150 students in the first of the three year Grant. The program provided intensive counseling and tutorial services to improve the retention of students from educationally and economically deprived backgrounds. Beaufort TEC was one of only 17 colleges throughout the country to receive a new special services award in 1981-82.

Beaufort Technical College became a participant in the Small Business Training Network during 1981-82. The college offers small business courses in cooperation with the Small Business Administration, Beaufort Chamber of Commerce, and the American Association of Community and Junior Colleges. Courses offered this year included "Bookkeeping for Small Business," "Introduction to Small Business Microcomputers," "Small Business Taxes for 1982," and "Interior Decorating for Retail Salespersons." Over 200 local businesspersons attended these courses in the first year.

The college has expanded its continuing education program to other locations and has diversified its offerings. Classes in continuing education and occupational advancement were offered for the first time on Hilton Head Island, and plans were made to expand the offerings in Walterboro in cooperation with the Walterboro/Colleton Chamber of Commerce. One of the most popular new courses offered by the college has been "S.A.T. Preparation" for high school students. Feedback provided by area high school counselors has indicated that students completing this course have scored higher than if they had not taken the course.

In curriculum programs, Beaufort TEC began a new associate degree nursing program for an entering class of 20 students. The program drew nearly 350 applicants for only 20 openings, evidence of the popularity and employment need in the Lowcountry for nursing.

The State Board for Technical and Comprehensive Education, the governing board of Beaufort TEC, held its October 1981 meeting on the campus of the college for the first time. Board members had an opportunity to meet key community leaders, tour the campus and meet with college staff and faculty to observe instructional facilities and programs in operation.

The faculty and staff of the college began a self-study for reaffirmation of accreditation by the Southern Association of Colleges and Schools. The process will take approximately two years, and a visiting team from the Commission on Colleges is scheduled for spring of 1984.

CHESTERFIELD-MARLBORO TECHNICAL COLLEGE

During fiscal year 1981-82 Chesterfield-Marlboro Technical College met the educational needs of its service area by implementing a full-scale computer programming curriculum, strengthening microprocessor training, and developing a continuous planning process.

Because computers play such an important role in the world of work today, Chesterfield-Marlboro Technical College saw that a computer programming curriculum was urgently needed. In the fall of 1981, equipment was installed and instructional materials developed to meet that need for Chesterfield-Marlboro TEC's students. Response to the program has been excellent, with full enrollment in both day and evening classes and excellent job placement results. Many management personnel from local industry are taking advantage of this important training opportunity. Plans are now being made to offer word processing instruction in the near future, meeting another expressed need on the part of our students and business community.

Microprocessor equipment was obtained during the past year which has enabled Chesterfield-Marlboro TEC to offer expanded training in this critically important field. Increased emphasis is being placed on microprocessor-based control systems which are found in industrial situations, as part of Chesterfield-Marlboro TEC's effort to meet the changing needs of its service area.

Health care is another important field in the Pee Dee area of South Carolina, resulting in a highly successful registered nursing satellite training program offered at Chesterfield-Marlboro TEC in conjunction with Florence-Darlington Technical College. Growth in the nursing program has been steady over the past year, and the opening of one new hospital and announcement of plans for a second facility will undoubtedly increase the demand for medical personnel in the area.

Input from the community is critically important to the success of any technical education program. For this reason, Chesterfield-Marlboro Technical College utilizes advisory committees in all curriculum areas. The advisory committees met on campus during the past year and provided valuable input into the instructional process.

Planning is another key factor in an effective educational operation, especially in this day of economic austerity. During FY 81-82, Chesterfield-Marlboro Technical College formalized its long-range planning process, providing a flexible planning system at all levels of institutional organization. The planning system covers needs, goals, and objectives for the immediate year in minute detail, as well as providing five years of forecasts and projections for long-term planning.

DENMARK TECHNICAL COLLEGE

Denmark Technical College, the only technical college in the South Carolina TEC System that maintains dormitories and dining facilities for a resident student body, added four new associate degree programs in fall of 1981.

The four new programs added to the curriculum of the college were: computer data processing, accounting, general business and human services, making nine associate degrees offered by the college in addition to 16 diploma programs.

During the 1981-82 academic year, the college reached 100.3 percent of its projected FTE enrollment of 687.8 by having an actual FTE of 689.8, which constituted 492,189.5 contact hours.

Denmark Technical College received $175,000 under Title III for FY 1981-82, funding four activities: administrative/management improvement, academic improvement, establishing a career planning and placement center, project administration and evaluation.

The college received awards of $73,826 and $65,200 from the U. S. Department of Education for FY 1981-82, respectively for special services for disadvantaged students and talent search programs. The college also received $1,200 for the college library resource program and $25,420 for a CETA multi-cluster grant.

Capital improvements and equipment acquisitions for the college over the year included the following: $100,000 renovation project for offices and the four new programs; $60,382 audio-visual-tutorial system for career enhancement laboratory (development studies), $30,000 plus for dormitory furniture, and $400,000 plus for renovation of two men's dormitories. Additionally, new sidewalks and a paved peripheral road plus improved and updated campus lighting were added to the college campus. A pending capital improvement previously approved or identified is a $1.4 million kitchen-cafeteria, with a projected construction date of January 1983.

FLORENCE-DARLINGTON TECHNICAL COLLEGE

Florence-Darlington Technical College enrollment has stabilized over the past few years showing only a slight increase each year. This stabilization has allowed the college to concentrate its efforts on increased educational quality.

The college, in its efforts to raise the educational quality of its programs, has developed a number of progressive innovations. A new career center has been established to assist students in their career development. Included in the center is a computer terminal, tied into the South Carolina

Occupational Information System, a program of the South Carolina Employment Security Commission, giving information on occupations, college majors, apprenticeship programs and subjects related to occupations. The terminal has on file Job Bank, giving data on jobs currently available in the state through Job Service.

The educational curriculum unit of the college has concentrated its efforts in the development of competency based instruction. Over the past year and a half, competency modules have been developed in at least one or more of the curricula of each of the college's eight divisions. A return to industry program has been very successful. The program allows our faculty an opportunity to return to the industrial setting, thereby assisting industry with their expertise and also educating themselves on the latest up-to-date industrial innovations.

During 1981-82 fiscal year, the surgical technology program was accredited, and this was the last program awaiting accreditation. The college programs, campus-wide, have all received accreditation by the appropriate agencies.

An industrial survey was completed in order to determine the college's effectiveness in meeting the educational requirements of area industry. This instrument was mailed or delivered to all area industries with a 70 percent return. These returns were very positive indicating that Florence-Darlington TEC is addressing its mission in a positive manner.

The Florence-Darlington Technical College Administrative Council is looking forward to an effective, efficient and a most successful 1982-83 academic year.

GREENVILLE TECHNICAL COLLEGE

In Fall 1981, Clemson University and Greenville TEC began offering junior and senior level programs leading to B. S. degrees in engineering on the Greenville Technical College campus.

Degrees are available in computer engineering, computer science, engineering technology, electrical engineering and mechanical engineering and are taught by Clemson faculty.

Greenville area residents are taking advantage of completing freshman and sophomore years as Greenville TEC students, paying the low Greenville TEC tuition, and continuing through the upper division as Clemson students while remaining on the local campus as they work toward a degree from Clemson University.

This is the first time in South Carolina that a university has offered upper division courses on the campus of a technical college and is described as an outstanding example of cooperation between institutions of higher education that results in substantial savings, both to the state and to students.

A Central Energy Building to provide heating and air conditioning has been constructed and was put into operation in early summer 1982. The conversion to solid fuel and the use of all possible cost reductions will result in an annual savings of some $200,000.

All buildings on campus, except the Engineering Technology and Library classroom buildings, are being serviced from this central location. A department of energy grant helped to finance this project and will also finance the addition of the Library classroom building to the central energy system.

The Greenville TEC Board approved the offering of senior ROTC courses on campus in conjunction with Furman University Army ROTC, beginning during the 1982-83 academic year. This program is designated for college transfer students who wish to receive an army commission upon completion of their bachelor's degree. During their two years in college transfer at Greenville TEC, students will participate in senior ROTC activities, and then will have three additional years to complete degree requirements at a senior college or university, at which time they will receive the commission.

The design phase of the expansion of the Engineering Technology Building began in early summer 1982 and it is anticipated that construction bids will be let during fall 1982, with construction beginning in early 1983. The decision has been made to locate this addition as a one-story wing on the north side of the present facility. Included will be classrooms and laboratories to ease present overcrowded conditions and to allow for new programs, such as computer graphics and instrumentation technology.

Funding for this facility is from $240,000 in state bond monies, $350,000 in Appalachian funds, and local funds of $107,000. Some $200,000 in Appalachian funds has also been approved for the purchase of an integrated instrumentation laboratory and computer graphics equipment.

A computer numerical control (CNC) CINTURN was consigned to Greenville TEC by Cincinnati Milacron for the Advanced Machine Tool Resource Center. Valued at $250,000, this was the first equipment to be housed in the center. Additional equipment will be a Tree Lathe, Bridgeport CNC Mill, and multi-station Numeridex equipment, along with others designed to train faculty and staff statewide and serve industry in the area of machine tool technology.

Notification of an award of $705,000 from the U. S. Office of Education for a three year Cooperative Education Demonstration project was received by the college in October 1981. Greenville TEC is one of only nine colleges and universities in the nation to receive this prestigious award and one of only three community colleges to be so recognized.

Greenville TEC has participated in the standard Cooperative Education program for the past five years with over 500 students involved. The program will be expanded to include 600 annually by 1984.

This award recognized the performance of this institution and the involvement and support of business and industry in the area. Also influencing the selection was the Technical Scholarship Program, originated in 1979 when 10 companies sponsored 40 scholars in the first year. Twenty-two firms sponsored 95 scholars in the 1981-82 academic year and that number is expected to increase for fall 1982.

HORRY-GEORGETOWN TECHNICAL COLLEGE

Horry-Georgetown Technical College moved a step closer to physical and academic expansion with two important events. The approval of the second year of machine tool technology and a revival of industrial drafting expanded the Industrial Division's offerings, while a two-year computer data processing curriculum awaits Commission on Higher Education approval.

The college applied for and was awarded a Title III grant under the Strengthening Developing Institutions category. The long-term grant will meet computer and other needs in three areas: 1) management, 2) instruction, and 3) student services. The improvement in information management coincides with planning the college's physical growth.

In May 1982, Horry-Georgetown Technical College acquired 15 additional acres just east of the Conway campus. An earlier planning grant, also under Title III, was instrumental in establishing local and statewide demands for Horry-Georgetown's collegiate services.

The college's faculty continued a commitment to competency-based education, establishing entrance and exit skills for individual programs. Back-to-industry was a philosophy as much as it was a phase, with each division (industrial, technical and business and human services) sending instructors into professional situations to bring state-of-the-art techniques back to the campus.

On the college's Georgetown campus, forestry and civil engineering were offered on that campus for the first time. Data processing assistant will be offered to that area's citizens, also for the first time. The college's unique curricula, forestry, hotel-motel-restaurant management and golf course technology, had record enrollment years, as did the entire college.

The continuing education division registered record enrollment and added a seminars director to its staff. Nearly 5,000 students participated in professional development courses on both campuses, with a significant increase in specially designed coursework for area industry, such as the retooling at Georgetown's largest industry, International Paper Company.

The Student Services Department restructured itself, relying on more efficient record keeping and redesigning its career counseling facilities. In line with a college-wide philosophy, the department implemented an updated policies and procedures manual detailing every process from student contact to graduation.

An in-house survey of graduates revealed an overall placement rate of almost 90 percent and planning objectives call for an increase in support services in the Learning Resources Center.

MIDLANDS TECHNICAL COLLEGE

Dr. James Riley Morris, Jr. came to Midlands Technical College in November as interim president, and on February 17, 1982, he was selected by Richland-Lexington Counties Commission for Technical Education to be president of the college.

A formal investiture service commemorating this first change in leadership was held in conjunction with commencement exercises for 1,076 graduates on May 27 at Columbia's Township Auditorium. The Honorable Richard W. Riley, Governor of South Carolina, brought greetings to the college on this occasion, and lead the distinguished list of presidents and delegates from 33 state colleges and universities.

During his initial tenure at Midlands Technical College, the new president has initiated a fiscal management philosophy and cost-effective changes have been implemented. Programmatic changes at the Harbison Campus will be affected this coming year in an attempt to maximize resources.

A two-year associate degree nursing program was started this year with an initial enrollment of 50 students. This program is housed on the Airport Campus. The need for this two-year nursing program was emphasized by the health care community which made available 50 scholarships to the students. Participating in this scholarship program were South Carolina Baptist Medical Center, Providence Hospital, Richland Memorial Hospital, Lexington County Hospital, and the Richland and Lexington Medical Association. In addition to the start-up class, 50 students have been accepted into the program and will begin studies in the fall 1982.

Appropriate approvals for a new, one-year respiratory technician program were received this year and this course of study will also begin in the fall 1982.

During the past year State Board for Technical and Comprehensive Education vacated the Robinson Building on the Airport Campus. This building is currently undergoing major refurbishing and will provide 18,000 sq. ft. for faculty and staff offices. The use of this facility by the college will permit the razing of two obsolete buildings on this campus.

Funds were received from Richland and Lexington counties for site improvements at Harbison campus and will be used to construct new parking lots, lighting, storm drainage, sidewalks and roads. Plans are currently being formulated for these projects and completion is expected in early 1983.

The college participated with State TEC special schools in providing training programs for United Technologies, Piedmont Products (a subsidiary of Owens Corning Fiberglas) and Pontiac Foods.

Total unduplicated student enrollment this year was 16,064. This enrollment was comprised of 9,434 participants in technical education programs and 6,630 in continuing education.

The Title III program was funded for the third consecutive year for $194,500. Including financial aid to students, the college received a total of $2,514,842 in federal funds.

ORANGEBURG-CALHOUN TECHNICAL COLLEGE

A new $1.9 million agricultural/industrial complex was completed at Orangeburg-Calhoun Technical College. This complex — two training buildings and a lecture room — will enable the college to expand its training opportunities for the local agricultural and industrial community.

The college received final approval from the Commission on Higher Education and the State Board of Nursing of South Carolina to begin the associate degree nursing program. Thirty students have already been accepted for the fall quarter.

For the fourth year in a row, the entire class of practical nursing graduates passed the State Board Examination for practical nursing.

Ten accounting students participated in the Volunteer Income Tax Assistance program. They provided free assistance in filling out income tax returns to several hundred lower income, elderly and handicapped tax payers.

General Motor's (GM) School of Product Service in Charlotte located its only satellite training center for GM employed automotive technicians on Orangeburg-Calhoun Technical College's campus. This satellite center which was closer to some dealers provided the same training as that received in Charlotte. Automotive technicians were familiarized with the changes and new products in the new GM cars.

Tuition fees were increased from $135 to $165 per quarter for full-time students who are residents of Orangeburg and Calhoun counties. The fee for out-of-county residents went from $162 to $198 per quarter. Part-time fees were raised to $13.75 per credit hour for in-county residents and $16.50 per credit hour for out-of-county residents.

The Continuing Education Division, working with local industries and businesses, developed various in-plant and on campus programs. Specific industrial upgrading programs in stainless steel welding, industrial electricity, basic math, reading, blueprint reading and others were offered. Workshops and seminars of all varieties from the allied health, maintenance, agricultural, industrial and supervisory development areas were presented during the year.

The faculty development component of Title III developed an instructional excellence plan (a five-year plan for improving instruction). The implementation of the IEP began with four pilot curriculum areas, where program competencies were identified, course competencies verified and changed as needed. The faculty development program also provided graduate, undergraduate and associate degree courses for the faculty and staff on the competency-based methodology. A mock SACS self-study evaluation of all curricula was planned and implemented.

The institutional research and long-range planning program of Title III produced an entering student report, a graduate follow-up report, and a non-returning student report as well as designed a systematic employer appraisal of graduates.

The Student Success Center continued to teach study skills to students. Materials and instruction were refined so that each student received study skills assistance specific to his curriculum. A small individualized reading assistance center was established to help students who were not enrolled in a developmental studies program. The new Career Education Center provided students with information that helped them choose and pursue careers.

Special schools provided training for the following manufacturing industries: E.G. & G. Rotron — 60 trained in the production of fans for computers and cash registers; Cablecraft — 20 trained in the production of cables for the automotive and aircraft industries; Starflo Valves — 16 trained in the production methods involved in producing gate and butterfly valves; Zeus Industrial Products — 10 trained in the manufacturing and design of teflon coated tubing for use in medical facilities.

The Orangeburg-Calhoun Technical College Foundation conducted its second faculty/staff fund raising drive with over 100 employees participating. Approximately $4,000 was pledged by the faculty and staff. The foundation established several new scholarship programs which were made possible through restricted gifts. In addition, the Foundation awarded eight tuition scholarships to honor graduates from area high schools.

A challenge grant was received by the college's Foundation from the Self Foundation to purchase instructional equipment for the college's new associate degree nursing program. Other Foundation activities included

the employment of a part-time executive director to coordinate the foundation's activities, the publishing of an excellent cookbook, and a tour/lunch of the college campus for area industrial/business leaders and citizens.

PIEDMONT TECHNICAL COLLEGE

The college served a total headcount of 11,599 in all programs during the 1981-82 academic year. Included in this total were 1,705 FTE in regular curriculum programs; the remainder were enrolled in non-curriculum areas such as professional upgrade training, continuing education and community service courses.

Piedmont TEC's Robotics Resource Center continues to receive national attention from industry, education and the media as a result of the innovative training developed to meet present and future needs. The first workshop scheduled to introduce robotics to business and industry attracted participants from Texas to Canada, and a full schedule of workshops has been developed for the coming year. Three industrial robots, together with work stations and support equipment, are now in place in the center, and more high technology equipment is expected in the near future to complete the training facility.

As the college grows to meet high technology training needs of area employers, faculty and staff work toward expanding and refining competency-based curriculum models. To bring all courses up to competency level, the faculty has "packaged" learning guides for 125 courses which will deliver specific skills. Another outgrowth of those same needs has been the establishment of an employee assessment and development center. This educational/industrial partnership offers a viable alternative to working adults whose futures may be limited by lack of educational preparation or technological isolation. The program initially focused on 1,000 adults seeking additional supervisory skills to advance themselves professionally.

Reinforcing the innovative projects of the college and often providing both the motivation and funding for continuing that tradition is the Piedmont Technical College Foundation. Established in 1975, the eleemosynary organization was one of the first among two-year schools in the country. Early in its history, the Foundation began funding residential building projects which resulted not only in a practical arena for providing hands-on experience for construction-related curricula, but funds for other projects as well. The Foundation recently marked another first by initiating a three-year major gifts campaign with an overall goal of $300,000. Less than a year into the campaign, $175,000 (58 percent of total goal) has been raised in support of the "Partners in Progress" campaign.

Campus facilities have been expanded to better meet the needs of students and the business/industrial community. The 1981-82 year saw the completion of a student center, an industrial services complex for the use of area firms who wish to conduct training sessions on campus, an allied health facility and a continuing education building which features an auditorium and large classrooms for workshops and seminars.

SPARTANBURG TECHNICAL COLLEGE

Imaginative and creative innovations at Spartanburg Technical College have focused this past year on one purpose — to continue serving the technical education needs of the people and of industry. The faithfulness of purpose at the college, by administration and staff, is demonstrated by the college's new symbol — a triangle which uses education as the strong base offering continuing support for, and coordination between, people and industry.

The new Technical Scholars program at the college began with advance planning, support, involvement and commitments from eight leading companies in the Spartanburg area, the Chamber of Commerce and Spartanburg Development Association. The initial scholars are filling 14 availabilities in the first year.

Thirty-one progressive industries, Spartanburg Chamber of Commerce, Spartanburg Development Association and Spartanburg TEC staged the first annual "Career Expo" for all area high school juniors and seniors. The participation was overwhelming as the students and their advisors from all seven Spartanburg County school districts plus Union and Cherokee counties attended the exhibits at Spartanburg Memorial Auditorium. The industrial displays offered exhibits or demonstrations of products, production activity and services plus provided interviews with the students. The purpose of "Career Expo" was to introduce students to career possibilities and acquaint them with the education necessary for these careers.

The "Non-traditional Career Workshops for Women" resulted in one of the most successful ongoing programs of its kind in the state. Nearly 200 women, 16 to 55 years of age, have participated in day and evening workshops that opened new career directions. Industries allowed former TEC students to serve as role models to talk informally with each group and in opening their businesses to tours.

Total involvement of faculty and staff in recruitment efforts has been important in continuing the student enrollment increase. The approaches included more one-to-one interviews and follow-ups, a careful progression of letters to each person that inquired about a TEC program and special contacts to all high school seniors/graduates in spring and summer

plus outreach recruitment efforts.

Special schools provided training for the following firms: Westinghouse Corporation, 29 people; Monsanto, 350 people; Renk Corporation, 6 people; R. R. Donnelley & Sons, Inc., 157 people; Cooper Energy Services, 16 people; Webb Forging, Inc., 31 people; Stouffer Foods Division, 205 people; and Spartanburg County Industries, 30 people for a total of 804 people trained for new job opportunities.

Continuing education continued to expand and generated 92,000 actual training hours and approximately 8,000 non-duplicated headcount students in upgrading, retraining or professional development courses. The challenges facing production supervisors of the 80's were dealt with effectively with "The Productivity Challenge" scheduled as part of supervisory training. The flexibility of TEC was demonstrated in the continuing education workshops available for in-house and/or specialized training needs and the development of training packages customized for individual businesses, industries, city/county government, civic clubs and associations. Service to a special segment of employees was exhibited in the very successful pre-retirement planning course.

The Industrial Steering Committee actively sought and initiated new ways to align TEC and industry in updated and innovative training. The committee is an important ally in the acquisition of new equipment and funds.

To improve the quality and viability of instruction at the college, all departments continue toward total implementation of competency based education and cognitive style mapping. The three-part program consists of increased faculty advising, peer advising and an advisement center.

SUMTER AREA TECHNICAL COLLEGE

For the last three years Sumter Area Technical College, serving Sumter, Clarendon, Lee and Kershaw counties, has increased its student enrollment by an average of 10.8 percent each year. This percentage has placed Sumter in the top three of the state's technical colleges with the largest percentage increase.

As a part of the State Board's "Design for the Eighties" program, Sumter Area Technical College has been designated as the water quality institute through a federal grant in the amount of $500,000 to construct a facility for a statewide wastewater treatment plant operator training program.

Presently Sumter Area Technical College offers 28 degree and diploma programs. In cooperation with USC-Sumter a two-year associate degree nursing program was approved and now has 20 students enrolled. It is located in a newly acquired 6800 square foot facility on 2.5 acres

purchased by the Sumter County Council. An associate degree in computer data processing and the expansion of the radio broadcasting program to include television is being planned for fall 1982.

The Sumter Area Technical College Foundation is entering its fifth year and now has 82 contributors with $200,000 in gifts and pledges. The Foundation has purchased microcomputers, awarded eight scholarships, recognized outstanding instructors and students, and has sponsored special activities.

Beginning during the summer of 1982, the college embarked on a systematic, comprehensive approach at marketing the college to a variety of publics. It is anticipated that this effort will help increase enrollment and build new constituencies for the college in the four-county community.

In a constant effort to improve the quality and viability of instruction, there has been a steady movement toward implementation of competency based education for students.

Through special schools classes for local industry, 151 persons were trained for Bendix, Acme Strapping and American Grilon plants.

Career information, testing, and counseling are all available through the area's newest and most comprehensive career planning center, the Career Development and Counseling Center. The center is designed to assist high school graduates as well as mature students in making realistic career decisions. A recent addition of the South Carolina Occupational Information System computer terminal gives students and residents of the area access to statewide information on training, employment opportunities and occupational descriptions.

TRI-COUNTY TECHNICAL COLLEGE

Construction began on a $1,318,000 textile and welding training center, and a number of expansions in the educational programs topped the list of achievements at Tri-County Technical College.

The textile and welding training center, housing approximately 20,000 square feet of laboratory, classroom, shop and office space, will be completed around the first of 1983. The three-unit structure is being erected behind Anderson Hall as the center of the campus.

Tri-County became the first TEC college in the state to offer on-campus child care facilities for the children of students at the college. The self-sustaining operation doubles as a laboratory for students in child development assistant.

The police chiefs and sheriffs of Anderson, Oconee and Pickens counties unanimously chose Tri-County to administer reserve police officer training for the law enforcement agencies in the three counties. Twenty-

five officers were certified by the South Carolina Police Academy following the first training program.

The Commission on Higher Education approved computer programming as a two-year, associate-degree training program which will begin in the fall of 1982.

After two years of study and preparation, the nursing classes began in the fall quarter with capacity enrollment. Tri-County instituted the program to fill the void in nurse training when Clemson University announced in 1980 that the associate degree training program there would be terminated. The TEC training is aimed at averting a deepening shortage of nurses in the tri-county area.

A program was introduced to identify, recruit and train gifted and talented students into technical education programs. The project will serve as a model for identifying students with talents and aptitudes for technical training. Included in the study are options within certain training programs that can be adopted to attract students into those programs.

Almost 300 management personnel in eight area industries were trained this year by the college's Institute for Management Improvement (IMI). Tri-County was chosen in 1981 as one of 24 colleges in the United States which are serving as pilot institutions for developing the industrial management training program which is funded by the Exxon Corporation.

An on-campus Small Business Resource Center was established by the continuing education division. In its first year, the center published a small business directory, implemented at-home studies for owners of small businesses and provided free counseling to area business personnel.

The American Veterinary Medical Association (AVMA) renewed the accreditation of animal health technology. The accreditation extends through 1983.

The Appalachian Regional Commission approved two grants totaling approximately $80,000 for Tri-County to train child care workers in Anderson, Oconee and Pickens counties.

Special schools trained 360 workers for new and expanding industries in Anderson, Oconee and Pickens counties this year.

Toward the end of the year, the Center for Innovative Training in Microelectronics was beginning to take shape. The laboratory was designed and orders for state-of-the-art equipment were placed as the year ended. Services from the center to TEC and to the electronics industries of South Carolina will be accelerated in 1982-83 when the equipment is installed and becomes serviceable.

Enrollment reached another record level, a total of 16,916 students in all programs. It was the second consecutive year the college had record enrollments.

TRIDENT TECHNICAL COLLEGE

Recent Trident Technical College graduates are already making an impact on the lowcountry economy. Of the college's 1981 graduates seeking jobs, 91 percent were employed within six months after graduation, as indicated by surveys conducted by the college. Nearly 90 percent of Trident's employed graduates reported that they are working within the tri-county service area of the college. Close to one-half of the 1981 graduates are earning more than $12,000 a year.

New programs that were developed during the past year include Building Better Boards for Community Organizations, sponsored by the American Association for Community and Junior Colleges. The three-year project funded by the Kellogg Foundation is designed to utilize the services of the college to provide volunteer community organization boards with seminars, workshops and other activities to strengthen member skills in directing their organizations. Trident and Piedmont Technical College have formed one of the five regional centers and are implementing the Building Better Boards project in South Carolina.

The Trident Technical College Alumni Association has taken hold during the last 12 months, and although it is still in its formative stages, it is on its way to becoming a unified voice for the alumni of the college.

Approximately 1,000 alumni have already indicated their interest in membership and a corps of dedicated volunteers have committed their time to getting the association underway. Alumni members have actively supported funding for the college and have been involved in a wide variety of activities including organizing Berkeley County alumni to assist with planned grand opening festivities for the new Berkeley Campus. The association members have established a constitution and elected officers to guide the group's progress. Group travel and an annual meeting are in the planning stages for the coming year. Alumni members report that they are pleased to receive many benefits including access to college facilities, library privileges and job placement services.

The new Berkeley Campus is nearly completed. Three new programs will be implemented at the new facility when the campus opens its doors for fall quarter 1982. Plumbing, diesel equipment mechanics and carpentry bring the number of degree and diploma programs at Trident TEC to 48.

The arbitration on the Palmer Campus site has been completed, and the college won judgments against both the architect and the contractor.

The FACET (Female Access to Careers in Engineering/Industrial Technology) program is now in its fifth year. Nearly 300 young women have participated in the summer career exploration program. The program has come a long way since 1977 when there was only one woman graduate in the entire engineering technology curriculum. In 1982, 50

women graduated from Trident TEC's engineering and industrial technology programs, and most are now employed in their fields. In this year's graduating class, 25 percent of all engineering technology graduates were women.

Over 700 graduates received degrees and diplomas during 1981-1982.

WILLIAMSBURG TECHNICAL COLLEGE

Williamsburg Technical College concentrated its energies for the year 81-82 into three major areas in addition to the ongoing educational effort. These areas were: grants, institutional reviews, and networking activities. As a consequence, the college achieved progress and acquired some "firsts" as well.

The college has been especially successful in the area of competitive grants. The W. K. Kellogg Foundation awarded Williamsburg TEC in excess of $100,000 to develop a career planning and placement center. As a result of the Kellogg grant, Williamsburg TEC became the only college or university in South Carolina to provide a microcomputer system with career information and guidance system. This system is called SIGI (System of Interactive Guidance and Information). The SIGI will complement the existing SCOIS (South Carolina Occupational Information System), the system currently in use by the college, giving it one of the most advanced placement and counseling services available.

Through a grant funded by the Governor's Energy Office, Williamsburg TEC successfully applied existing technology to produce a wood-fired hot water heating system with a prototype being displayed at the SCTEA convention in Myrtle Beach. Models of the system are now in use at the Dillon County Camp and numerous agricultural and residential applications in surrounding counties. The South Carolina Department of Parks, Recreation and Tourism has contracted to employ the device at Redcliffe State Park. The federally-funded Upward Bound Project completed another successful cycle with 17 of the 18 graduating seniors in the project going on to college. In addition to these competitive grants, the college participated in the CETA program and established an excellent placement rate for CETA students through its grant activities.

The 1981-82 year at Williamsburg TEC was a year of self-examination and review by external agencies. The college completed its self-study for reaffirmation and was subsequently evaluated by a team from the Commission on Colleges of the Southern Association of Colleges and Schools. Earlier in the year, the South Carolina Advisory Council on Vocational and Technical Education visited the college with a team to review its technical programs. The two unique responsibilities for high school vocational/technical and adult education received favorable comment. In the late spring, the State Department of Education sent a team to

specifically review adult education.

The college has made a commitment to networking. These networks take different forms and dimensions ranging from regional to community networks.

At the regional level, the college has developed specific, signed articulation agreements with South Carolina State College and Francis Marion College regarding the associate in arts and science transfer program which the college began last year. This program has been well received and has experienced excellent cooperation from these regional institutions. A working relationship was developed with two other colleges for the purpose of encouraging industrial development. As a result of this relationship, Williamsburg TEC was requested to present a workshop at the annual meeting of the American Association of Community and Junior Colleges on the benefits of rural consortia in industrial development. The college became a charter member of the Coastal Education Consortium involving the concerted efforts of three separate county educational systems and three separate colleges. As a member of the Lowcountry Seminar Network, Williamsburg TEC has been able to present seminars to its service area that might otherwise have not been possible.

The networking effort when confined to the community took the form of highly active participation in the Governor's Rural Economic Achievement Trophy Program for the city of Kingstree. Kingstree was proclaimed a GREAT town by the Governor. The college assisted in a special schools project at Lakewood Plantation. A very close working relationship has been developed with the local hospital, and general support has been provided to various community activities including Old Fashioned Days.

The unique high school vocational/technical program of the college brought honor as students went forward through regional contests demonstrating their skills and proficiencies to the extent that one Williamsburg TEC student in this program won first place in the region and was to represent the State of South Carolina at the national level. Complementing this competitive success, high school and area vocational center articulation agreements were developed covering most of the curriculum areas of the college.

Even though the $616,000 approved bonds for the new Learning Resources Center have not been released by the state, progress on this project has moved forward. Over the past year, the college has selected an architect for the project and is assembling models from other states and institutions.

YORK TECHNICAL COLLEGE

Student enrollment in curriculum programs for the 1981-82 fall quarter was up 5 percent over the same period in the previous year at York TEC. Enrollment for each subsequent quarter reflected sound increases over the 1980-81 year.

York Technical College was designated as the Innovative Computer Applications Resource Center and continues to offer many activities. The center was responsible for development of a comprehensive plan and technical specifications for computer hardware and software acquisition for the South Carolina TEC System. Seminars and advanced training courses for faculty from other TEC colleges were held as well as special topic training for business and industry in York TEC's service area. The center provided leadership and technical support in implementing computer technology in academic areas such as management, accounting, drafting and design graphics, electronics and engineering.

York TEC was given approval by the South Carolina Commission on Higher Education to offer three new two-year degree programs. The associate in engineering technology program is designed to give a very broad view of computer operations. The business division is offering two new programs in secretarial science and management.

The public information office developed in cooperation with Channel 30, WNSC-TV, a 12 show series entitled *TEC Today*.The main objective of this series is to show the diversity of York TEC, its students and how the college works with industry.

York TEC developed and offered industrial credit and noncredit courses for the weekend student, supervisory courses, emergency aid courses, EMT training, self defense courses along with many others. Also offered were CETA training and advanced firefighting technology.

York TEC assisted with special schools for a number of new and existing industries and worked on seminars for over 15 industries.

APPENDIX A

TOTAL DEGREES AND DIPLOMAS AWARDED IN ACADEMIC YEAR JULY, 1980-JUNE, 1981

College	Degree Programs	Diploma Programs Two Year	Diploma Programs One Year	Total Graduates
Aiken	75	0	75	150
Beaufort	93	0	60	153
Chesterfield-Marlboro	45	0	14	59
Denmark	22	21	44	87
Florence-Darlington	388	0	113	501
Greenville	335	0	103	438
Horry-Georgetown	187	0	103	290
Midlands	613	0	321	934
Orangeburg-Calhoun	139	64	50	253
Piedmont	159	58	83	300
Spartanburg	202	20	249	471
Sumter	135	15	53	203
Tri-County	294	0	83	377
Trident	484	0	191	675
Williamsburg	20	0	44	64
York	209	0	76	285
Total	3,400	178	1,662	5,240

TEC Department of Planning & Research December 1981.
HEGIS Report 2300-2.1A — Degree and Other Formal Awards.

APPENDIX B

FULL-TIME EQUIVALENT ENROLLMENTS FOR FY 1977/78, FY 1978/79, FY 1979/80, FY 1980/81, AND FY 1981/82 BY TEC COLLEGE

College	*Actual FY 1977/78*	*Actual FY 1978/79*	*Actual FY 1979/80*	*Actual FY 1980/81*	*Actual FY 1981/82*
Aiken	909	916	864	903	895
Beaufort	960	946	978	1,030	883
Chesterfield-Marlboro	547	483	530	555	583
Denmark	801	603	595	676	690
Florence-Darlington	2,165	2,365	2,238	2,269	2,190
Greenville	5,252	5,084	4,887	4,892	4,799
Horry-Georgetown	1,242	1,174	1,079	1,152	1,179
Midlands	5,353	5,081	4,827	5,090	5,391
Orangeburg-Calhoun	1,640	1,504	1,381	1,431	1,367
Piedmont	1,705	1,635	1,418	1,728	1,704
Spartanburg	1,671	1,618	1,607	1,746	1,834
Sumter	1,355	1,262	1,433	1,584	1,680
Tri-County	2,062	2,035	1,902	2,057	2,246
Trident	5,730	5,571	4,715	4,723	5,175
Williamsburg	610	477	536	465	428
York	1,442	1,460	1,482	1,590	1,745
Total	33,444	32,214	30,472	31,891	32,787

Totals may not add due to rounding.

APPENDIX C

FULL-TIME EQUIVALENT ENROLLMENT GROWTH WITHIN THE TECHNICAL EDUCATION PROGRAM, FY 1976-77 THROUGH 1981-82

Cluster	*FTE 1976-77*	*FTE 1977-78*	*FTE 1978-79*	*FTE 1979-80*	*FTE 1980-81*	*FTE 1981-82*
Business	11,015.6	11,461	11,006	10,629.2	10,715.6	10,907.1
Industrial-Occupational	9,995.3	9,877	9,395	8,715.0	8,997.1	8,580.8
AA/AS	2,167.1	2,425	2,379	2,455.2	2,610.7	2,809.0
Public Service	2,649.8	2,702	2,471	2,081.3	2,058.7	1,828.7
Health	2,693.4	2,780	2,718	2,479.1	2,712.6	2,852.8
Agriculture	640.6	584	505	406.4	385.9	399.3
Engineering	3,135.3	2,918	3,045	2,966.6	3,287.3	3,400.5
Career Dev./Undtd.	358.9	697	695	739.0	1,123.4	2,008.6
Total	32,656.0	33,444	32,214	30,471.8	31,891.3	32,786.8

Source: TEC Management Information System.

APPENDIX D

TECHNICAL AND COMPREHENSIVE EDUCATION ANNUALIZED UNDUPLICATED HEADCOUNT ENROLLMENT 1961-82

Year	*TEC College Enrollments*	*Special Schools Completions*	*Total*
1961-62	.....	475	475
1962-63	1,122	2,190	3,312
1963-64	11,867	2,785	14,652
1964-65	18,659	2,824	21,483
1965-66	32,967	5,044	38,011
1966-67	37,046	5,704	42,750
1967-68	42,146	4,081	46,227
1968-69	59,817	4,419	64,236
1969-70	79,001	4,534	83,535
1970-71	81,415	3,804	85,219
1971-72	81,486	5,403	86,889
1972-73	104,638	5,054	109,692
1973-74	93,650	3,759	97,409
1974-75	111,541	2,902	114,443
1975-76	115,825	2,622	118,447
1976-77	122,121	2,826	124,947
1977-78	142,058	1,725	143,783
1978-79	145,168	2,580	147,748
1979-80	154,158	3,545	157,703
1980-81	162,602	3,793	166,395
1981-82	164,503	4,708	169,211

Source: TEC Management Information System; includes Technical Education, Continuing Education, Community Service, restricted State and federal programs.

APPENDIX E

ENDING FALL QUARTER 1972-1981
UNDUPLICATED HEADCOUNT — ALL PROGRAMS

College	*1972*	*1973*	*1974*	*1975*	*1976*	*1977*	*1978*	*1979*	*1980*	*1981*
Aiken	242	558	875	1,153	1,265	1,473	1,690	1,793	1,944	1,818
Beaufort	833	1,155	1,878	1,676	1,456	1,441	1,536	1,676	1,763	2,006
Chesterfield-Marlboro	508	1,009	1,544	1,541	1,257	1,545	1,463	1,687	1,721	1,706
Denmark	401	603	601	944	833	843	719	599	669	619
Florence-Darlington	2,219	3,188	3,221	4,900	4,631	3,912	4,226	4,460	5,299	4,627
Greenville	8,317	7,813	9,590	9,607	7,376	9,770	8,912	11,540	12,349	12,526
Horry-Georgetown	1,641	1,795	1,722	1,895	1,513	1,817	1,885	2,389	2,374	2,526
Midlands	3,970	6,405	7,010	8,201	6,294	7,572	7,861	6,979	8,638	9,853
Orangeburg-Calhoun	2,498	1,815	2,199	3,204	2,658	3,269	3,240	3,391	3,139	3,210
Piedmont	2,228	2,822	3,697	3,724	4,050	4,685	4,468	3,719	5,548	5,001
Spartanburg	2,733	1,941	2,943	3,205	3,268	3,527	3,174	1,767	2,730	3,326
Sumter	1,309	1,524	2,018	2,377	2,167	2,637	2,769	2,897	3,249	2,970
Tri-County	2,579	3,397	4,332	4,818	5,288	6,632	5,393	2,356	6,664	7,753
Trident	2,486	4,127	5,362	7,028	7,091	7,457	7,511	8,005	8,696	8,811
Williamsburg	1,154	1,630	1,649	1,595	1,453	1,758	1,576	1,274	833	1,095
York	1,142	1,284	1,669	2,212	2,146	2,528	2,279	2,520	3,008	3,101
Fire Academy	....	....	....	....	....	893	567	....	1,173	1,642
Total	34,260	41,066	50,310	58,080	52,746	61,759	59,269	57,052	69,797	72,590

Source: TEC MIS 70-1, November; MIS Ending Quarter Reports 1973-1981.

APPENDIX F

HEADCOUNT ENROLLMENT BY CLASSIFICATION STATUS AND SEX
TECHNICAL EDUCATION PROGRAM
FALL 1981

	Full-time				*Part-time*		*Unclassified*		
	Freshman		*Sophomore*						
	Men	*Women*	*Men*	*Women*	*Men*	*Women*	*Men*	*Women*	*Total*
Aiken	258	162	64	26	274	99	60	97	1,040
Beaufort	145	217	77	33	309	160	73	64	1,078
Chesterfield-Marlboro	143	142	60	23	88	89	45	54	644
Denmark	210	177	53	39	35	17	17	53	601
Florence-Darlington	511	551	174	143	303	262	93	265	2,302
Greenville	1,204	1,039	381	436	1,077	1,080	241	327	5,785
Horry-Georgetown	398	289	174	102	295	153	0	0	1,411
Midlands	1,438	1,430	363	339	1,263	1,055	51	69	6,008
Orangeburg-Calhoun	383	424	110	59	261	123	37	70	1,467
Piedmont	380	488	148	108	276	184	13	41	1,638
Spartanburg	426	473	170	110	375	162	69	102	1,887
Sumter	410	337	152	80	316	102	52	280	1,729
Tri-County	1,271	868	0	0	559	463	8	18	3,187
Trident	953	1,234	350	351	1,480	1,053	423	548	6,392
Williamsburg	117	107	40	9	71	44	13	32	433
York	446	459	123	106	372	245	65	104	1,920
Total	9,693	8,397	2,439	1,964	7,354	5,291	1,260	2,124	37,522

Department of Planning & Research, July 1982.

APPENDIX G

ANNUALIZED UNDUPLICATED HEADCOUNT ENROLLMENT IN TECHNICAL EDUCATION INSTITUTIONS ALL PROGRAMS FY 1976-77 through FY 1981-82

College	*FY 1976-77*	*FY 1977-78*	*FY 1978-79*	*FY 1979-80*	*FY 1980-81*	*FY 1981-82*
Aiken	2,780	3,804	3,453	3,281	3,681	3,504
Beaufort	2,784	2,859	3,530	3,877	4,219	4,303
Chesterfield-Marlboro	2,565	3,136	5,165	5,823	6,249	4,790
Denmark	1,373	1,450	1,170	849	913	914
Florence-Darlington	9,575	11,173	9,775	9,567	11,486	9,253
Greenville	19,093	21,639	22,910	28,185	29,941	30,758
Horry-Georgetown	2,769	3,356	3,646	4,798	5,275	5,634
Midlands	13,830	14,797	16,547	16,636	18,567	21,713
Orangeburg-Calhoun	6,813	7,792	7,337	9,009	6,706	6,788
Piedmont	9,086	10,102	10,790	11,755	11,280	11,556
Spartanburg	6,984	8,076	7,664	7,129	6,507	6,560
Sumter	4,916	6,108	6,177	6,825	8,418	6,865
Tri-County	12,763	15,090	13,694	13,123	16,134	16,776
Trident	14,972	16,030	16,321	16,924	16,910	18,199
Williamsburg	2,742	2,845	2,676	2,357	2,027	2,603
York	4,085	4,836	4,999	4,898	5,348	6,189
Comprehensive/Manpower Program	4,586	5,600	5,860	5,563	5,058	4,350
Special Schools [1]	2,826	1,725	2,580	3,545	3,793	4,708
Fire Academy	405	3,365	3,454	3,559	3,883	3,748
Total	124,947	143,783	147,748	157,703	166,395	169,211

Source: TEC/MIS. Institutional enrollments in Special Schools and Comprehensive Manpower are shown by program.
[1] Completions.

APPENDIX H

TEC SYSTEM STUDENT CHARACTERISTICS FY 1981-1982

	Headcount	*Percentage*
I. *Veteran Status*		
A. Vet GI Bill	11,079	19.0%
B. Vet Non-GI Bill	0	0
C. Non Vet	47,999	81.0%
D. Not Specified	0	0
Total	59,078	
II. *Classification*		
A. Freshman	39,908	68.0%
B. Sophomore	19,170	32.0%
C. Unclassified	0	0
Total	59,078	
III. *Ethnic Group*		
A. Black	16,178	27.0%
B. White	40,474	69.0%
C. Indian/American	197	.3%
D. Spanish Surname	213	.3%
E. Oriental American	391	.3%
F. Foreign	210	.4%
G. Not Specified	1,415	2.0%
Total	59,078	
IV. *Sex*		
A. Male	30,600	52.0%
B. Female	28,478	48.0%
C. Not Specified	0	0
Total	59,078	

V. *Range of Average Age*
22.9 years to 28.5 years among colleges.

APPENDIX I

STATE TEC SYSTEM
UNDUPLICATED HEADCOUNT ENROLLMENT
BY COUNTY
TECHNICAL EDUCATION PROGRAM ONLY
1981-82

County	*County Total*	*County*	*County Total*
Greenville	7,988	Clarendon	362
Charleston	7,012	Abbeville	338
Richland	6,281	Newberry	337
Spartanburg	2,864	Colleton	293
Lexington	2,480	Barnwell	242
Sumter	2,364	Cherokee	241
Anderson	2,349	Kershaw	239
York	2,248	Marion	234
Berkeley	2,036	Hampton	230
Pickens	1,786	Calhoun	204
Orangeburg	1,750	Union	200
Florence	1,743	Dillon	185
Dorchester	1,561	Fairfield	169
Aiken	1,457	Lee	154
Beaufort	1,432	Saluda	153
Horry	1,393	Edgefield	130
Greenwood	1,204	McCormick	118
Oconee	883	Allendale	104
Darlington	795	Jasper	90
Chesterfield	760		
Williamsburg	691	Total in State	57,982
Laurens	682	Out of State	244
Marlboro	524	Foreign	76
Georgetown	499	Unknown	776
Bamberg	396	Total	59,078
Chester	395		
Lancaster	386		

APPENDIX J

PERCENTAGE OF 18-64 AGE POPULATION ATTENDING TEC INSTITUTIONS BY SERVICE AREA 1981-82 (Technical Education & Continuing Education Programs Only)

College	*No. of Students[1] Attending TEC From Respective Service Area*	*Estimate[2] 18-64 Age Population*	*Percentage of 18-64 Age Population Served*
Aiken	2,338	63,241	3.7%
Beaufort	1,588	41,873	3.8%
Chesterfield-Marlboro	2,965	39,181	7.6%
Denmark	412	27,187	1.5%
Florence-Darlington	2,559	101,183	2.5%
Greenville	20,037	179,599	11.2%
Horry-Georgetown	2,190	85,546	2.6%
Midlands	17,068	265,429	6.4%
Orangeburg-Calhoun	3,814	54,611	7.0%
Piedmont	9,269	120,893	7.7%
Spartanburg	3,929	122,787	3.2%
Sumter	6,229	100,777	6.2%
Tri-County	13,201	160,656	8.2%
Trident	17,655	269,367	6.6%
Williamsburg	1,212	20,787	5.8%
York	2,939	65,096	4.5%
Total	107,405	1,718,213	6.3%

[1] (14,681 students not identified by county of residence)
[2] S. C. Department of Research & Statistical Services 1981 Abstract, 1980 population.

APPENDIX K

TEC STUDENT TUITION & FEES PER QUARTER
1982-83 FEES

College	*In-County*		*Out-of-County*		*Out-of-State*		*Out-of-Country*	
	Full Time Per Quarter	*Part Time Per Hour*	*Full Time Per Quarter*	*Part Time Per Hour*	*Full Time Per Quarter*	*Part Time Per Hour*	*Full Time Per Quarter*	*Part Time Per Hour*
Aiken Technical College	150.00	12.00	150.00	12.00	220.00	18.00		
Beaufort Technical College	160.00	13.50	160.00	13.50	235.00	19.75	235.00	19.75
Chesterfield-Marlboro Technical College*			185.00	15.42	260.00	21.67	480.00	39.99
Denmark Technical College	150.00	10.00	150.00	10.00	250.00	10.00		
Florence-Darlington Technical College	175.00	15.00	200.00	17.00	275.00	23.00	525.00	52.00
Greenville Technical College	130.00	13.00	145.00	14.50	260.00	26.00	650.00	65.00
Horry-Georgetown Technical College	150.00	13.00	150.00	13.00	300.00	26.00	420.00	36.00
Midlands Technical College	200.00	17.00	250.00	21.00	400.00	34.00	500.00	42.00
Orangeburg-Calhoun Technical College	165.00	13.75	198.00	16.65	248.00	20.65		
Piedmont Technical College**			200.00	17.00	250.00	21.00		
Spartanburg Technical College	115.00	10.00	144.00	13.00	230.00	20.00	345.00	30.00
Sumter Area Technical College	150.00	12.50	174.00	14.50	258.00	21.50		
Tri-County Technical College	160.00	13.00	160.00	13.00	316.50	44.00	316.60	44.00
Trident Technical College	150.00	13.00	185.00	16.00	300.00	25.00	433.00	37.00
Williamsburg Technical College	125.00	11.00	125.00	11.00	125.00	11.00	645.00	54.00
York Technical College	120.00	10.00	144.00	12.00	240.00	20.00	240.00	20.00

*Chesterfield-Marlboro Technical College

In-County Charge		Part Time Per Hour
Chesterfield	160.00	13.33
Marlboro	175.00	14.58

**Piedmont Technical College

In-County Charge		Degree Part Time	Diploma Part-Time
Saluda	165.00	14.00	9.00
Abbeville	175.00	15.00	9.50
Newberry	175.00	15.00	9.50
Edgefield	185.00	16.00	10.00
Greenwood	185.00	16.00	10.00
Laurens	185.00	16.00	10.00
McCormick	185.00	16.00	10.00

APPENDIX L

STATEMENT OF FUND SOURCES AND CURRENT FUND EXPENDITURES FISCAL YEAR 1980-81

Source of Funds

State Appropriation	51,233,857	
Federal Funds	1,247,493	
Student Fees	12,581,279	
County Appropriations	6,385,335	
Auxiliary Enterprises	5,539,182	
Other	1,901,080	
Total Unrestricted Source of Funds		$78,888,226

Restricted Funds		
Federal	20,569,726	
Other	829,437	
Total Restricted Source of Funds		$21,399,163

Current Unrestricted Fund Expenditures

I. Administrative			
Personal Service	1,257,970		
Other Operating Expense	319,461		
Equipment	4,375		
State Employer Contributions	186,610		
Total Administration		1,768,416	
II. Technical Education Institutions' Operation			
A. Institutions			
Personal Service	38,851,526		
Other Operating Expense	26,506,331		
Transfers/Equipment	1,921,651		
State Employer Contributions	6,071,988		
Total Institutions		73,351,496	
B. Central Data Processing			
Personal Service	156,058		
Other Operating Expense	575,786		
Equipment	2,897		
State Employer Contributions	25,161		
Total Central Data Processing		759,902	

C. State Fire Academy			
Personal Service	219,114		
Other Operating Expense	58,753		
Equipment	12,252		
State Employer Contributions	29,766		
Total State Fire Academy		319,885	
D. Design for the 80's			
Personal Service	48,551		
Other Operating Expense	86,673		
Equipment	757		
State Employer Contributions	5,873		
Total Design for the 80's		141,854	
Total Tech Educational Institutions' Operation			74,573,137
III. Industrial Services			
Personal Service		1,484,415	
Other Operating Expense		759,470	
Equipment		142,315	
State Employer Contributions		160,473	
Total Industrial Services			2,546,673
Total Current Unrestricted Fund Expenditures			$78,888,226

APPENDIX M

TECHNICAL EDUCATION INSTITUTIONS CURRENT FUND UNRESTRICTED REVENUES AND PROGRAM EXPENDITURES FISCAL YEAR 1980-81

		% of Education and General
Revenues		
Education and General		
Student Fees	12,581,279	19%
County Allocation	6,385,335	9%
State Operating Allocation[1]	45,426,629	67%
State Procured Equipment	415,745	1%
Other	3,003,316	4%
Total Educational and General	67,812,304	100%
Auxiliary Enterprises	5,539,192	
Total Unrestricted Revenue	$73,351,496	
Program Expenditures		
Educational and General		
Instruction	30,443,802	44%
Academic and Student Support	9,909,031	14%
Plant Operations and Maintenance	9,519,648	14%
Administrative and General	17,228,090	25%
Local Capital Acquisitions/ Transfers	1,158,256	2%
State Procured Equipment	415,745	1%
Total Educational and General	68,674,572	100%
Auxiliary Enterprises	4,676,924	
Total Program Expenditures	$73,351,496	

[1]Includes Employer Share.